

ABSTRACT

METHOD FOR REDUCING CONGESTION IN A NETWORK

5 A machine (15) constituting the router implements a method according to the invention for reducing congestion in its network layer (16) when it accumulates in a queue (20) datagrams (12) to be transmitted through a network (18). The method comprises:

- a first step (29) that measures a fullness level of said queue (20), in order to 10 generate a signal (NIV) based on said fullness level;
- a second step (30) that detects any datagram received from said network (18), wherein a field (28) of a transport layer (6) contains a received window value (VFR);
- a third step (31) that generates a sent window value (VFE) based on said 15 signal (NIV) in order to process the detected datagram by entering said value (VFE) into it in said field (28);
- a fourth step (32) that routes the processed datagram through a network (17) to a transport layer (4), which limits its send rate based on the sent window value (VFE).

20

Fig. 4